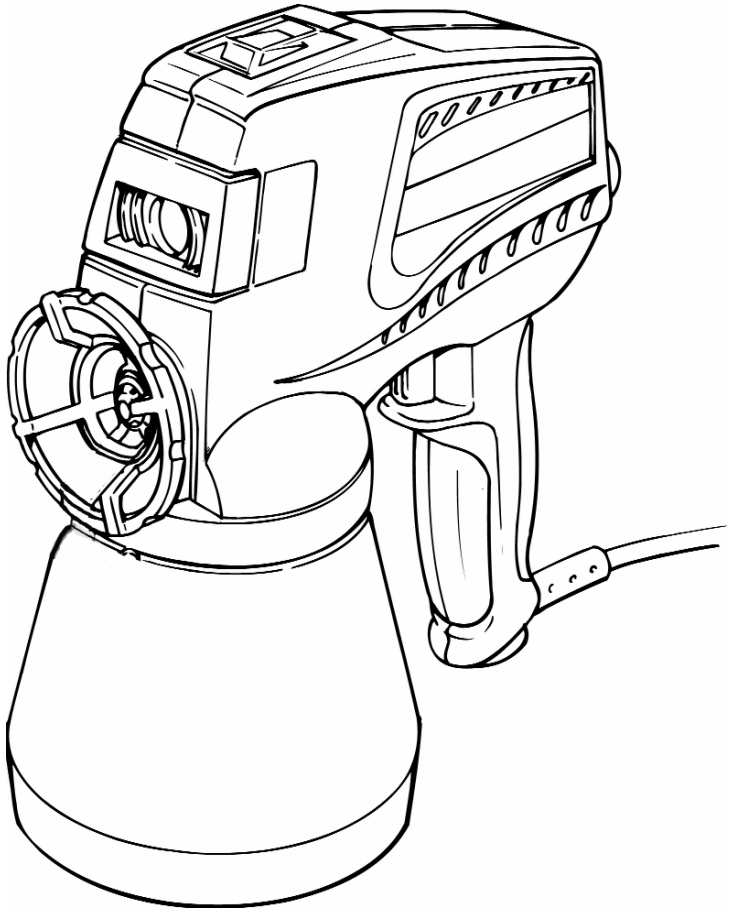
WAGNER

2 Jahre Garantie

2 years guarantee

2 ans de garantie

2 jaar garantie



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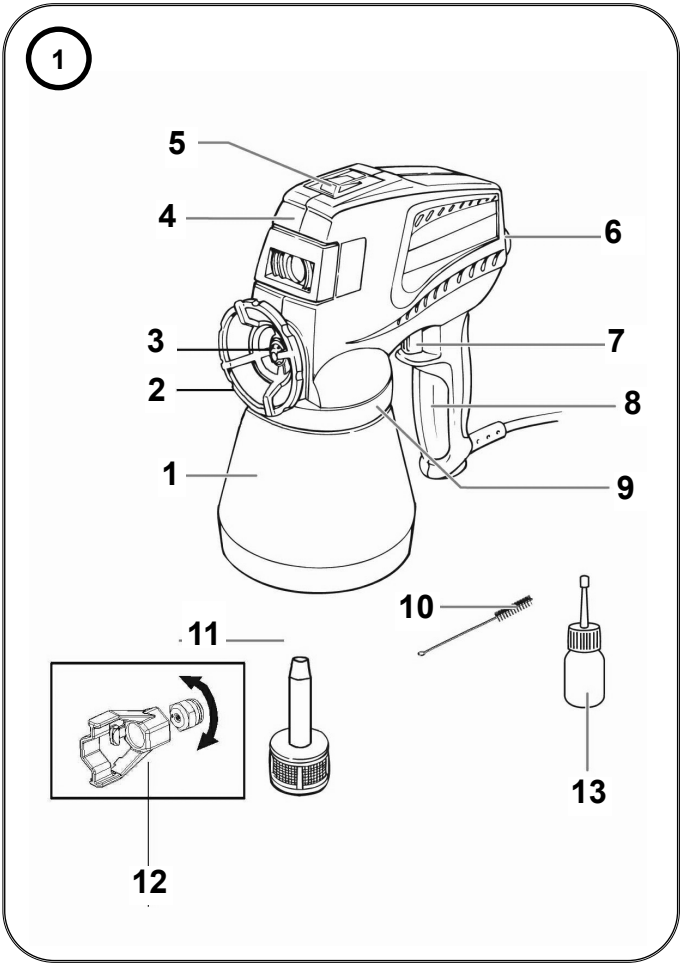
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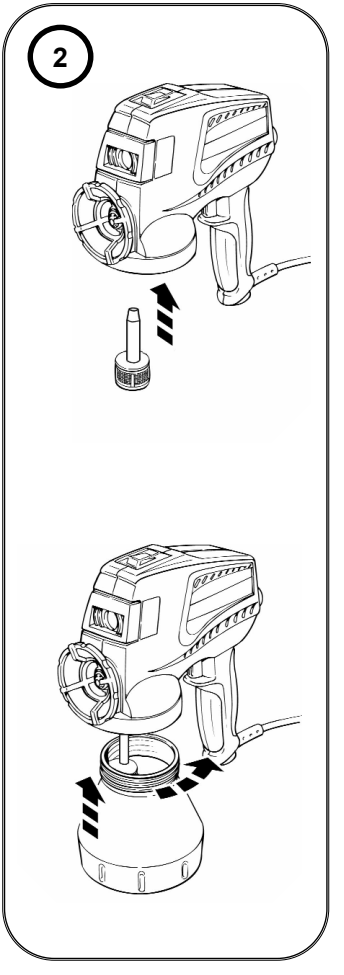
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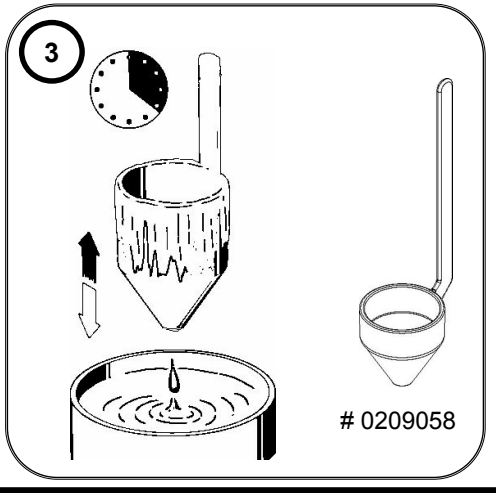
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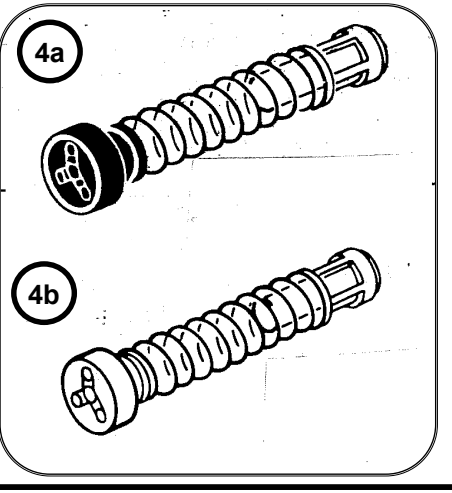
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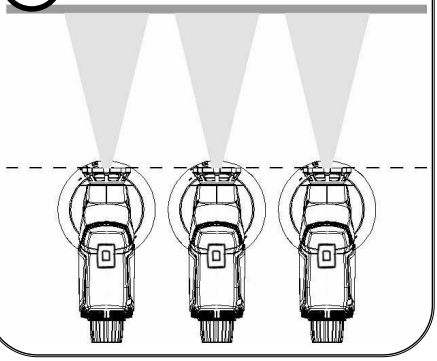

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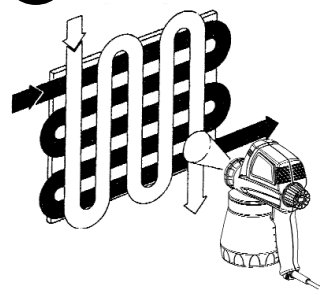

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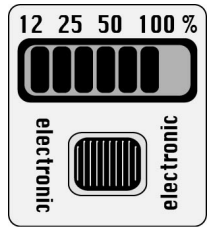

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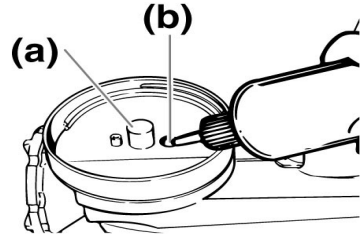

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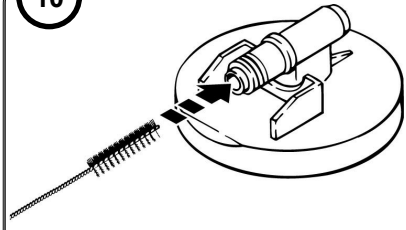

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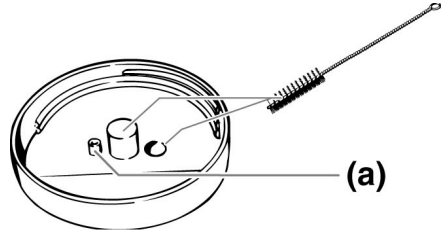

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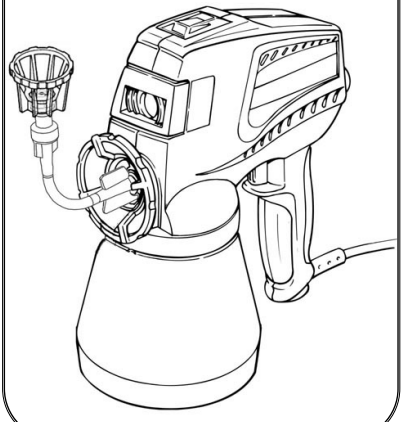

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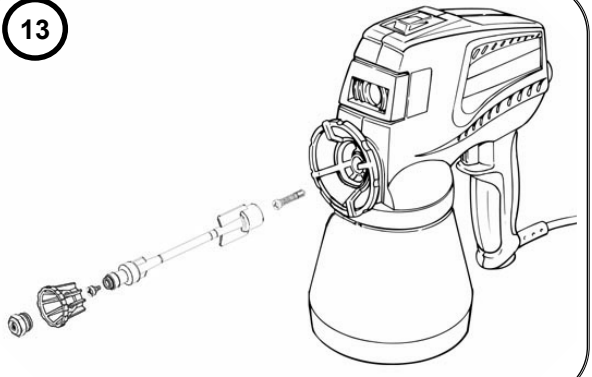

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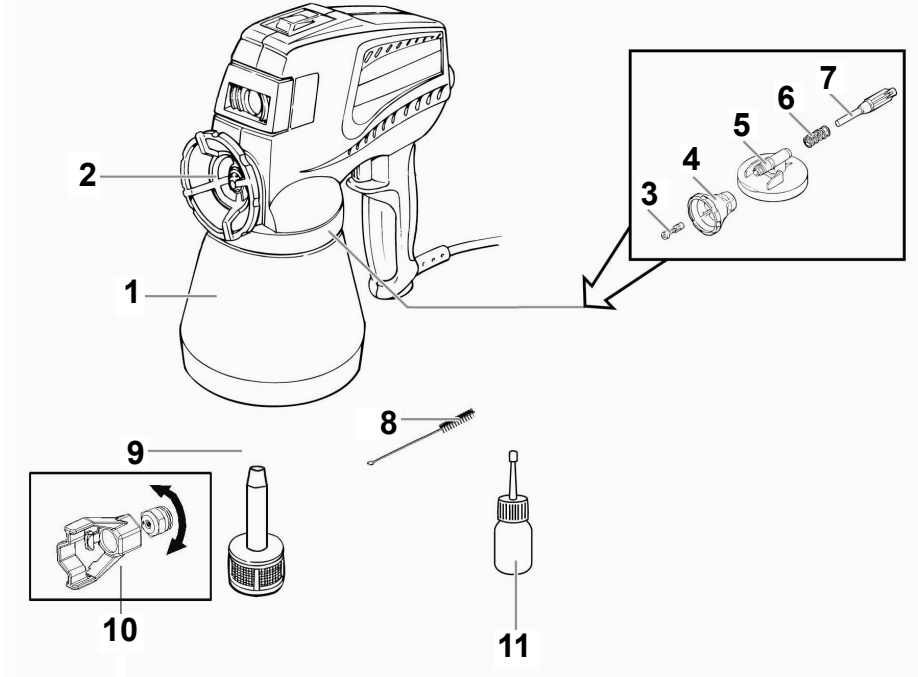


Congratulations on purchasing your WAGNER spray guns.
You have purchased a proprietary device that requires careful cleaning and care to ensure trouble-free functioning. Read the operating instructions carefully before using the tool and observe the safety instructions. Keep the operating instructions in a safe place.

General Safety Instructions

Caution!

Read all the instructions. Non-observance of the instructions below can cause electric shock, fire and or serious personal injuries. The term "power tool" used below covers both mains-operated power tools (with mains lead) and accumulator-operated power tools (without mains lead).

KEEP THESE INSTRUCTIONS IN A SAFE PLACE:

1. Workplace

a) **Keep your workplace clean and tidy.** *Untidiness and unlit working areas can lead to accidents.*

b) **Never use the tool in hazardous areas that contain flammable liquids, gases or dusts.** *Power tools generate sparks that can ignite the dust or vapors.*

c) **Keep children and other persons away when using the power tool.** *You can lose control of the tool if you are distracted.*

2. Electrical Safety

a) **The tool plug must fit into the socket. The plug may not be modified in any form. Do not use adaptor plugs together with protective-earthed tools.** *Unmodified plugs and suitable sockets reduce the risk of an electric shock.*

b) **Avoid physical contact with earthed surfaces such as pipes, heating elements, stoves and refrigerators.** *The risk through electric shock increases if your body is earthed.*

c) **Keep the equipment away from rain and moisture.** *The risk of an electric shock increases if water penetrates electrical equipment.*

d) **Do not misuse the mains lead by carrying the tool by the lead, hanging it from the lead or by pulling on the lead to remove the plug. Keep the lead away from heat, oil, sharp edges or moving tool parts.** *Damaged or twisted leads increase the risk of an electric shock.*

e) **If you work outdoors, use only extension leads that are approved for outdoor use.** *The use of an extension lead that is suitable for outdoors reduces the risk of an electric shock.*

3. Safety of Persons

a) **Be attentive. Pay attention to what you are doing and work sensibly with a power tool. Do not use the tool if you are tired or under the influence of drugs, alcohol or medication.** *Just a moment of inattentiveness while using the tool can lead to serious injuries.*

b) **Wear personal safety equipment and always wear safety goggles** *Wearing personal protective equipment, such as dust mask, non-slip safety shoes, safety helm or ear protection, depending on the type of power tools, reduces the risk of injury.*

c) **Avoid accidental starting-up. Ensure that the switch is in the "OFF" position before inserting the plug into the socket.** *Accidents can occur if you carry the power tool while your finger is on the switch or if you connect the power tool to the power supply which it is on.*

d) **Remove setting tools or wrenches before switching on the power tool.** *A tool or wrench that is in a rotating tool part can lead to injuries.*

e) **Do not overestimate your abilities. Ensure that you are standing securely and have your balance at all times.** *This ensures that you can control the tool better in unexpected situations.*

f) **Wear suitable clothing. Do not wear wide clothing or jewelry. Keep your hair, clothes and gloves away from moving parts.** *Loose clothing, jewelry or long hair can be caught in moving parts.*

g) **If dust extraction or collection devices can be mounted, ensure that these are connected and are being used properly.** *Using these devices reduces the danger caused by dust.*

4. Careful Handling and Use of Power Tools

a) **Do not overload the tool. Use the power tool designed for the work that you are doing.** *You work better and safer in the specified performance range if you use the suitable power tool.*

b) **Do not use power tools whose switch is defective.** *A power tool that cannot be switched on or off is dangerous and has to be repaired.*

c) **Remove the plug from the socket before carrying out tool settings, changing accessories or putting the tool away.** *This precautionary measure prevents unintentional starting of the tool.*

d) **Store unused power tools so that they are inaccessible to children. Do not let persons use the tool who are not familiar with it or who have not read these instructions.** *Power tools are dangerous when they are used by inexperienced persons.*

e) **Take proper care of your tools. Check whether the moving parts function trouble-free and do not jam, whether parts are broken or damaged so that the tool function is impaired. Have damaged parts repaired before using the tool.** *Many accidents have their origin in power tools that have been maintained badly.*

f) **Keep the cutting tools sharp and clean.** *Cutting tools maintained with care and with sharp cutting edges jam less often and are easier to use.*

g) **Use the power tool, accessories, insert tools, etc. in accordance with these instructions and in a fashion specified for this special tool type. Take the working conditions and the activity to be carried out into consideration.** *The use of power tools for purposes other than the intended ones can lead to dangerous situations.*

5. Service

a) **Have your tool repaired only by qualified specialist personnel and only with original spare parts.** *This ensures that the tool safety is maintained.*

Safety Instructions for Spray Guns

- **Caution!** Wear breathing equipment: Paint mist and solvent vapors are damaging to health. Always wear breathing equipment and only work in well ventilated rooms or using supplementary ventilating equipment. It is advisable to wear working clothing and gloves.
- Wear a breathing mask and ear protection.
- Spray materials emerge from nozzle tips under high pressure.

Attention! Danger of injection - Never point the spray stream towards human beings or animals. In the event of injury to the skin by paint or solvents, quick expert treatment by a physician is essential. The physician should be informed of the type of paint or solvent involved.

- The spray gun is to be used only for paints and solvents with a 21° C (32° in UK) flashpoint or higher (See information on the material tin. Hazard class A II and A III permitted).
- The device may not be used in workplaces covered by the explosion-protection regulations.
- To avoid the hazard of explosion when spraying, provide for effective natural or artificial ventilation.
- There must be no sources of ignition such as, for example, open fires, smoke of lit cigarettes, cigars and tobacco pipes, sparks, glowing wires, hot surfaces, etc. in the vicinity during spraying.
- The spray gun is not a toy; children must therefore not be allowed to handle it or play with it.
- Before working on the spray gun remove the power plug from the socket.
- Do not use the spray guns to spray flammable substances.
- The spray guns are not to be cleaned with flammable solvents which have a flashpoint under 21°C.
- Caution against dangers that can arise from the sprayed substance and observe the text and information on the containers or the specifications given by the substance manufacturer.
- Do not spray any liquid of unknown hazard potential.

Technical Data W 450 SE			
Max. delivery rate:	20 - 350 g/min	**Container capacity:**	800 ml
Max. viscosity:	(runout time) 280 sec.	**Double insulation:**	⧈
		Pump:	Replaceable
Max. pressure spikes:	180 bar	**Pump cylinder:**	hard metal
Power source:	230 V~	**Piston:**	hard metal
Power consumption:	110 W	**Oscillation level:**	10,5 m/s²
Round spray nozzle:	0,8 mm	**Sound pressure level:**	86 dB(A)
Weight:	1,5 kg	**Sound pressure output:**	99 dB(A)

Description W 450 SE (Bild ①)		
1 Paint container 800 ml	**6** Fine-adjustment knob	**11** Suction tube
2 Locking nut	**7** ON/OFF switch	**12** Nozzle spanner
3 Nozzle 0,8 mm	**8** Grip	**13** Oil bottle
4 Housing	**9** Pump housing	
5 4-step electronic system	**10** Cleaning brush	

Materials to be used:
Paints and varnishes containing solvents, acrylic enamel paints, water-soluble varnishes, glazes, polishes, wood preservatives, disinfectants, plant protectives, saturants, as well as oils and other watery liquids.
Dispersion and latex paints, bituminous paints. In the case of dispersion paints that contain fine quartz or similar materials: Observe the specifications in the handling table.

The following spray substances are not suitable for use:
Materials containing strong abrasives, glazes with coarse particles, strippers and caustic solutions, silicate paints.
Use of these spray materials can lead to increased wear or corrosion damage in the pump area, which are not covered by the WAGNER-Guarantee.

Functional Description of the Spray Gun
The spray gun sucks in spray materials. The airless atomisation results when the spray material is pumped at high pressure through the swirl system and the nozzle bore.

Preparing the Spray Material
The paints usually need to be diluted for use with the spray gun. You will find guidelines for sprayable dilutions in the following handling table for viscosity (viscosity = consistency of the paint). You can achieve the correct dilution by using the viscosity test cup.

Viscosity, valve, round nozzle and multi-step electronic system setting data Multi-step electronic system

Handling table

Fine-adjustment knob: For variable adjustment

Material	Viskosity DIN-s	Valve: Atomizer colour	Roundnozzle mm	Step electronic system Adjustment %
Resin primers	20 - 30	black	0,8*	50/25/12
Resin lacquers	20 - 30	black	0,8	50/25/12
acrylic lacquers	20 - undiluted	black	0,8	50/25/12
Radiator paints, Hammer finish paints	25 - 35	black	0,8	50/25/12
Timber impregnating	undiluted	black	0,8/1,2**	100
Aluminium paints	20 - 30	black	0,8	50/25/12
Underbody protection (wax and bitumen base)	max. 80 - 100	black	1,2**	100
Plastic emulsions***	not measurable approx. 10 - 20% dilution	white	0,8 1,0**	100
Latex paints ***	not measurable approx. 5 - 20% dilution	white	0,8 1,0**	100 50/25/12

* Standard nozzle ** Part No. see accessory list page 18.
*** With paints, which contain fine quartz or other similar components, there is increased wear of the valve and the nozzle. According to the scope of work, always have spare parts available.

Measuring the Viscosity

Dip the viscosity test cup **(Illus. ③)** completely into the spray material. Hold the test cup up and measure the time (in seconds) until the liquid empties out. Compare the measured "runout time" with the handling table for viscosity.

Valve data (handling table page 15)

The nozzle can be removed using the nozzle spanner. The valve is behind the nozzle and comprises:

1. Atomizer head
2. Spring
3. Valve taper

Standard

- **Valve with black atomizer /(stronger spring) - lacquer valve (Illus. 4 a)**
  Suitable for substances containing solvents and water-diluted paints. The use of this valve optimises spraying results at reduced delivery rate - electronic settings 50 %, 25 % oder 12 %.
  For details refer to handling table page 15.
- **Enclosed valve with white atomizer (weaker spring, softer valve cone) - plastic-emulsion and latex-paint valve. (Illus. 4 b)**
  Suitable for water-thinned paints - valve cone more resistant to wear. Use with maximum delivery rate - electronic setting 100 %.
  For details refer to handling table page 15.

Start-up

1. Cover areas that are **not** to be sprayed. When woriking keep in mind that wind, for example, may transport paint mist over great distances and cause damage.
2. Before connecting to the mains supply, please be sure that the supply voltage is identical with the value given on the rating plate (on the side of the spray gun).
3. Dilute the spray material according the handling table (page 15).
4. Place the container on a sheet of paper and fill it with the prepared spray material. **Attention! Do not operate the spray gun without spray material in the container; this can lead to increased wear of the pump!**
5. Position the spray gun on the container and turn the container to the right until the container fits tightly **(Illus. ②, arrow)**.
6. Activate the switch to start up the spray gun. First the spray gun sucks in spray material, then after a few seconds the material emerges from the nozzle. To accelerate the intake, turn the fine adjustment button to maximum.
7. By turning the fine adjustment button you can vary the spray amount **(Illus. ⑦, arrow)**.

Note: Regulating with the fine adjustment button influences the spray pattern depending on the spray material and the degree of dilution.

Delivery rate adjustment by 4-step electronic system (Illus. ⑦ + ⑧)

Tapping the electronic pushbuttons reduces the stroke rate by one step at a time, from max. delivery (100 %) in 4 steps to 12 %.
With the switch on minimum (12 %), repeated tapping will reset the 100 % stroke rate.
The electronic pushbutton can be used whether the unit is running or not.

Delivery rate

Fine adjustment knob maximum: electronic pushbutton 100 % = max. 350 g/min
Fine adjustment knob minimum: electronic pushbutton 12% = min. 25 g/min

NOTE: Depending on the material and dilution the sprach pattern can be controlled by the fine adjustment knob (in addition to electronic adjustment). For optimum setting a test spraying operation is advisable. For details refer to handling table page 15.

Spray Technique

- The spray result depends heavily on the smoothness and cleanliness of the surface to be sprayed. Therefore the surface should be carefully prepared and kept free of dust.
- Test the spray gun on cardboard or a similar surface to find the correct setting.
- Do not spray the vessel empty. The suction tube should always be immersed in liquid. If air is sucked in, larger drops may result.
- When spraying, hold the spray gun in a horizontal position. Use the **flexible nozzle extension** (**Illus. ⑫ + ⑬** / special accessories) for spraying upwards (e.g. a ceiling) or downwards (e.g. an unhinged door laid on the floor).
- Begin spraying outside of the spray area and avoid interruptions inside the spray area.
- Do not apply too much paint during one spraying operation. First apply a thin layer and allow to dry briefly before applying a covering layer. This is especially important with vertical surfaces to avoid paint sags.
- The distance from the nozzle to the object to be sprayed depends on the delivery rate. With a low delivery rate it is possible to go very close to the object. This reduces the amount of spray mist.
- The spray gun should be worked as evenly as possible during the spray operation. Accelerating or slowing down during the spray operation causes an uneven spray pattern, spattering, dripping and orange peel.
- The spray movement should come from the arm, not just from the wrist. This ensures that a uniform distance is maintained between the spray gun and the spray surface during the spray operation **(Illus. ⑤)**.
- To achieve optimal spray results, spray back and forth over the surface **(Illus. ⑥)**.

Cleaning and Maintenance

Important! **Clean the spray gun thoroughly whenever it has been used.**
Guns that have not been cleaned may malfunction!
The warranty does not apply for faults or malfunctions due to impurities.
Therefore if malfunctions occur, check the cleaned unit once more before sending it to your sales point.

The spray gun can only operate satisfactorily if it is cleaned and preserved after each use.
Attention! Never immerse the spray gun in liquid when cleaning.

1 Empty out the remaining paint from the container.
2. Put proper thinner in the container and trigger the sprayer for approx. 2 seconds.
3. Pull the main plug out of the socket.
4. Disassemble the spray gun as shown in **Illus. ⑭** (spare parts).
5. Thoroughly clean all soiled parts **Illus. ⑭**.
6. Reassemble the parts in reverse order.
7. Put a few drops of oil (e.g. sewing machine oil) in the intake and runback holes (**Illus. ⑨, arrow**). Briefly switch on the spray gun.

Environmental protection

Protecting the environment: Paint or solvent remains must not be dumped in drains or pipes. Where waste disposal is carried out by public authorities as a special service free of charge, arrange for collection.

Accessories W 450 SE	
Designation	**Order No.**
Round spray nozzles for various spray materials:	
Very thin spray materials / nozzle size: 0,5	0046 894
Thick spray materials / nozzle size: 1,0	0046 906
Very thick spray materials / nozzle size: 1,2	0046 909
Paint container with cover	0413 909
Needle-jet nozzle	0209 045
Flexible nozzle extension with atomiser	0046 675
Suction extension for sucking from large containers	0413 910

Flexible Nozzle Extension (Illus. ⑫)

For spraying ceilings, resting objects or hard-to-reach areas e.g. radiators.

Spare Parts List W 450 SE		
Pos	**Name**	**Order No.**
1	Paint container with cover	0413 909
2	Nozzle 0,8 mm	0046 903
3	Spare valve for lacquers paints for emulsions paints	0209 041 0209 042
4	Locking nut	0413 310
5	Pump housing	0500 253
6	Piston spring	0016 101
7	Piston	0199 207
8	Cleaning brush	0514 209
9	Suction tube with filter	0046 560
10	Nozzle spanner	0199 327
11	Oil bottle	0500 320
12	Viscosity measuring cup (Illus. ③)	0209 058

Malfunction	Cause	Correction
Spray gun buzzes and does not work	Piston stuck	Disassemble pump and clean with thinner
	Defective drive	Contact point of sale
Spray gun does not suck in	No valve in the pump	Insert valve
	Suction tube loose in the conical bore	Adjust suction tube
	Venting hole in pump housing clogged	Clean
	Intake hole (fitting) in pump housing logged	Clean
	Viscosity of spray material too high	Thin accordingly
Spray gun sucks in but does not spray	Nozzle clogged	Clean
	Ducts and holes in atomiser clogged	Clean
Spray gun works but sprays unevenly	Spray material in container running out	Refill
	Spray gun held inclined leading to sucking in of air	Use flexible nozzle extension (see accessories)
	Viscosity of spray material too high (too thick)	Dilute accordingly
	Fine adjustment button not set correctly	Reset according to spray material
	Wrong nozzle size	Change nozzle
	Nozzle worn out	Replace
	Valve worn out	Replace
	Wrong valve inserted	Use correct valve
Step electronic system malfunction	Fault in electronic	Contact point of sale

2 years guarantee

The guarantee runs for two years, counting from the date of sale (sales slip).
It covers and is restricted to free-of-charge rectification of faults which are demonstrably attributable to the use of faulty materials in manufacture, or assembly errors; or free-of-charge replacement of the defective parts. The guarantee does not cover incorrect use or commissioning or fitting or repair work which is not stated in our operating instructions. Wearing parts are also excluded from the guarantee. The guarantee excludes commercial use. We expressly reserve the right to fulfil the guarantee.
The guarantee expires if the tool is opened up by persons other than Wagner service personnel.
Transport damage, maintenance work and loss and damage due to faulty maintenance work are not covered by the guarantee. Under any guarantee claim, there must be proof of purchase of the tool through submission of the original receipt.
Wherever legally possible, we exclude all liability for injury, damage or consequential loss, especially if the tool has been used for a purpose other than that stated in the operating instructions, commissioned or repaired other than in accordance with our operating instructions or if repairs are performed by someone who is unqualified.
We reserve the right to perform any repairs in excess of those stated in our operating instructions.
In case of guarantee or repair, please refer to your point of sale.

Important Note regarding Product Liability!

Due to an EC ordinance in effect since 01.01.1990, the manufacturer is liable for his product only if all parts originate from or were approved by the manufacturer and the devices are assembled and operated correctly.
The use of other accessories and spare parts can partially or completely invalidate the liability.

Environmental protection

The appliance and accessories should be recycled in an environmentally friendly way. Do not dispose of the appliance with household waste. Support environmental protection by taking the appliance to a local collection point or obtain information from a specialist retailer.

Warning

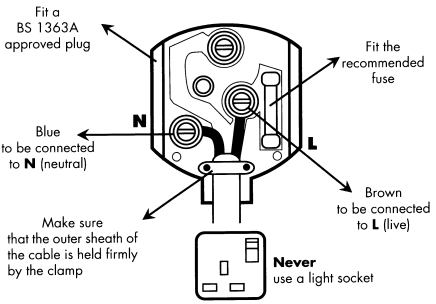
If the supply cord of this appliance is damaged, it must only be replaced by a repair shop appointed by the manufacturer, because special purpose tools are required.

Warning: Do not connect the blue or brown wire to the earth terminal of the plug! The wires in this mains lead are coloured in accordance with the following code:

blue = neutral **brown** = live

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifiying the terminals in your plug, proceed as follows:

- Should the moulded plug have to be replaced, never re-use the defective plug or attempt to plug it into a different 13 A socket. This could result in an electric shock.
- Should it be necessary to exchange the fuse in the plug only use fuses approved by ASTA in accordance with BS 1362. 5 Amp fuses may be used.
- To ensure that the fuse and fuse carrier are correctly mounted please observe the provided markings or colour coding in the plug.
- After changing the fuse, always make sure that the fuse carrier is correctly inserted. With out the fuse carrier, it is not permissible to use the plug.
- The correct fuses and fuse carriers are available from your local electrical supplies stockist.



D CE Konformitätserklärung

Wir erklären in alleiniger Verantwortung, dass dieses Produkt den folgenden einschlägigen Bestimmungen entspricht: 73/23/EWG, 89/336 EWG; 2002/95/EG; 2002/96/EG.
Angewandte harmonisierte Normen: EN 60745-1:2003; EN 50144-2-7:2000; EN 55014-1:2002; EN 55014-2:2001; EN 61000-3-2:2005; EN 61000-3-3:2001

GB CE Declaration of Conformity

We declare under sole responsibility that this product conforms to the following relevant stipulations: 73/23/EWG, 89/336 EWG; 2002/95/EG; 2002/96/EG.
Applied harmonised norms: EN 60745-1:2003; EN 50144-2-7:2000; EN 55014-1:2002; EN 55014-2:2001; EN 61000-3-2:2005; EN 61000-3-3:2001

F CE Déclaration de conformité

Nous déclarons sous notre responsabilité que ce produit est en conformité avec les réglementations suivantes : 73/23/EWG, 89/336 EWG; 2002/95/EG; 2002/96/EG.
Conforme aux normes et documents normalisés : EN 60745-1:2003; EN 50144-2-7:2000; EN 55014-1:2002; EN 55014-2:2001; EN 61000-3-2:2005; EN 61000-3-3:2001

NL CE Conformiteitsverklaring

Wij verklaren dat dit product voldoet aan de volgende normen: 73/23/EWG, 89/336 EWG; 2002/95/EG; 2002/96/EG.
En normatieve dokumenten: EN 60745-1:2003; EN 50144-2-7:2000; EN 55014-1:2002; EN 55014-2:2001; EN 61000-3-2:2005; EN 61000-3-3:2001

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